



武汉福鑫化工有限公司

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CERTIFICATE OF ANALYSIS

Products Name	CAS NO.	Batch No.
Magnesium sulfate heptahydrate	10034-99-8	20240215
Mfg. Date	Exp. Date	Package
Feb.,15,2024	Feb., 14,2026	25kg/ Box

Items	Specifications	Results
Appearance	White crystal or powder	Conforms
Mg	9.8%min	9.84
PH value	To 10ml 10% w/v solution add 0.05ml of phenol red solution. Not more than 0.2ml of 0.01M hydrochloric acid or 0.01M sodium hydroxide is required to change the colour of the indicator	Conforms
Identification	(1)It gives the reaction of sulfates	Positive reaction
	(2)It gives the reaction of magnesium	Positive reaction
Solubility/Clarifu	Dissolve 5.0g in 50ml water is clear and colourless	Conforms
Chlorides	$\leq 0.03\%$	Conforms
Iron	$\leq 0.002\%$	Conforms
Lead(Pb)	$\leq 0.0001\%$	Conforms
Arsenic (As)	$\leq 0.0002\%$	Conforms
Heavy Metals (as Pb)	$\leq 0.001\%$	Conforms
Loss on ignition(heptahydrate)	48% ~ 52%	Conforms
Assay(MgSO <sub>4</sub> )	99.0%-100.5%	99.9%
Conclusion	QUALIFIED.	

Q.C.: Luo Xiaofeng

Tester: AT02

Re-tester: AT03